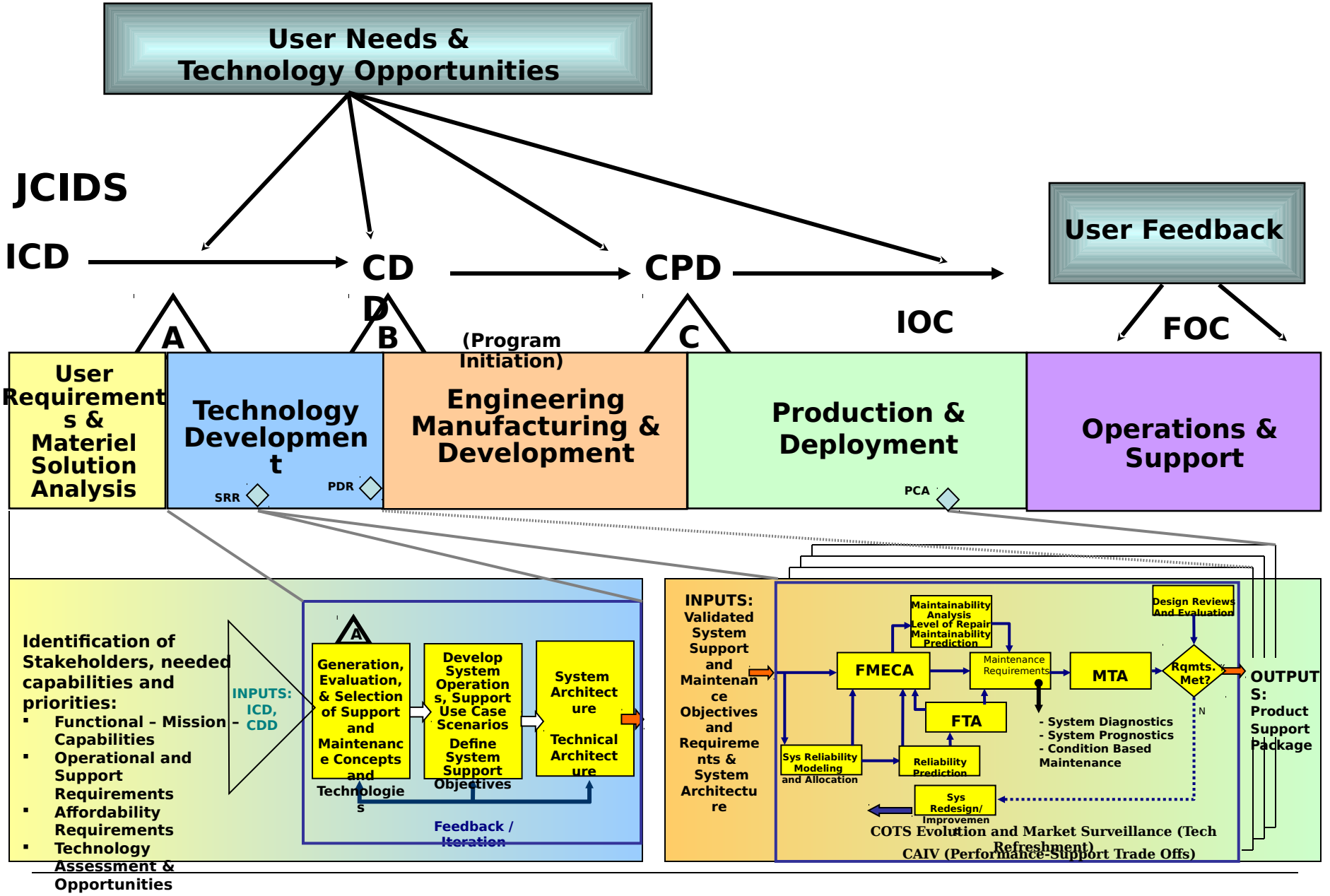
User Needs & Technology Opportunities
JCIDS
ICD
CD
D
CPD
IOC
User Feedback
FOC
A
B
C
(Program Initiation)
User Requirements & Materiel Solution Analysis
Technology Development
SRR
PDR
Engineering Manufacturing & Development
Production & Deployment
PCA
Operations & Support
Identification of Stakeholders, needed capabilities and priorities:
Functional – Mission Capabilities
Operational and Support Requirements
Affordability Requirements
Technology Assessment & Opportunities
INPUTS: ICD, CDD
A
Generation, Evaluation, & Selection of Support and Maintenance Concepts and Technologies
Develop System Operations, Support Use Case Scenarios
Define System Support Objectives
System Architecture
Technical Architecture
Feedback / Iteration
INPUTS: Validated System Support and Maintenance Objectives and Requirements & System Architecture
Maintainability Analysis Level of Repair Maintainability Prediction
Design Reviews And Evaluation
FMECA
Maintenance Requirements
MTA
Rqmts. Met?
Y
N
OUTPUTS: Product Support Package
FTA
- System Diagnostics
- System Prognostics
- Condition Based Maintenance
Sys Reliability Modeling and Allocation
Reliability Prediction
Sys Redesign/ Improvemen
COTS Evolution and Market Surveillance (Tech Refreshment)
CAIV (Performance-Support Trade Offs)